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DIRECTORATE OF
INTELLIGENCE

Imagery Analysis Service Notes

2 February 1968

Declass Review by NIMA/DOD

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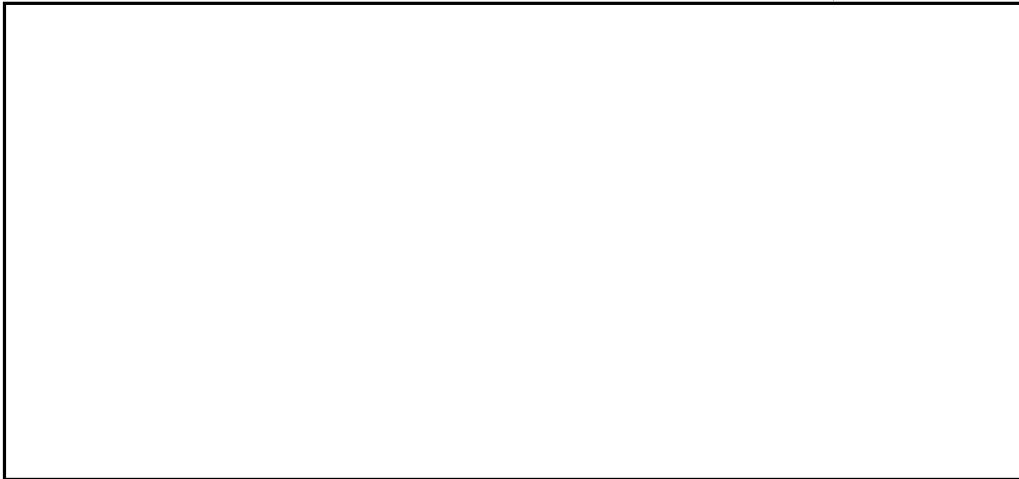
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The IMAGERY ANALYSIS SERVICE NOTES is a periodic publication of the DDI Imagery Analysis Service, the departmental PI organization of CIA.

This publication highlights significant or timely intelligence items derived from photography.

The interpretations in this publication represent preliminary views which are subject to modification in the light of further information and more complete analysis.



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USSR

Single Silo Deployment Highlights,

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A number of significant developments in ICBM single silo deployment were observed on photography from [redacted]. * Most important was the deployment of a new type of single silo at Yoshkar-Ola beginning in [redacted]. In addition we found indications that Type III-C deployment will continue into [redacted] and that a "third wave" of Type III-D deployment is now under way. Based on [redacted] coverage and more complete analysis, [redacted]

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New Type Single Silos at Yoshkar-Ola. Information is too incomplete at present to definitely establish the prototype or define construction stages and timing for the new type single silos. Eighteen have been started at Yoshkar-Ola in the first six months since deployment began. This rate of deployment is about the same as that of the four "second wave" Type III-D complexes begun in late [redacted]. This suggests a simple design and a relatively short construction time. The deployment pattern of 16 sites and the identification of two control sites indicate a tentative grouping of at least ten sites to a group. Therefore, there are at least two groups, and a probable third is indicated by two launch sites remotely situated from the others.

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Type III-C and III-D Deployment. We believe that, despite deployment of the new type system, the III-C and III-D programs should both continue into [redacted]. Recent group starts at Dombarovskiy and Zhangiz-Tobe and large quantities of construction materials at Uzhur and Aleysk indicate the initiation of some III-C starts in the first quarter. A "third wave" of Type III-D deployment probably began with the initial deployment at Teykovo in [redacted] and the subsequent resumption of deployment at two of the older III-D complexes, Perm and Tatishchevo (see IAS Notes, 22 September 1967). In addition, large volumes of construction materials seen at four complex support facilities and past deployment practices indicate that at least four III-D groups were probably started in [redacted] but have remained undetected.

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*See the soon to be published DDI/IAR, Construction Status of Soviet Single Silo ICBM Sites, October-December 1967.

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NORTH KOREAKomar Class PTG Support Facilities near Wonsan

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Three Komar Guided Missile Patrol Boat (PTG) Support Facilities are newly identified in the Wonsan area on [REDACTED]. They include a Probable Styx Naval Missile Storage Facility, a Komar Class PTG Base, and [REDACTED] open possibly for Komar PTGs. The three facilities are located on So-man (bay) and Songjon-man, approximately 13 nautical miles (nm) north of the city of Wonsan. (See Figure 2 for the relative locations of these facilities.)

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The Probable Styx Naval Missile Storage Facility (Figure 3) is located on a small peninsula protruding into So-man at 39-21-45N 127-25-15E. Eight probable Styx missile crates were observed adjacent to a large unidentified building on the southern side of this peninsula. A security fence surrounded both the building and the crates. An additional 22 possible Styx crates were located on a beach area on the other side of this peninsula. [REDACTED]

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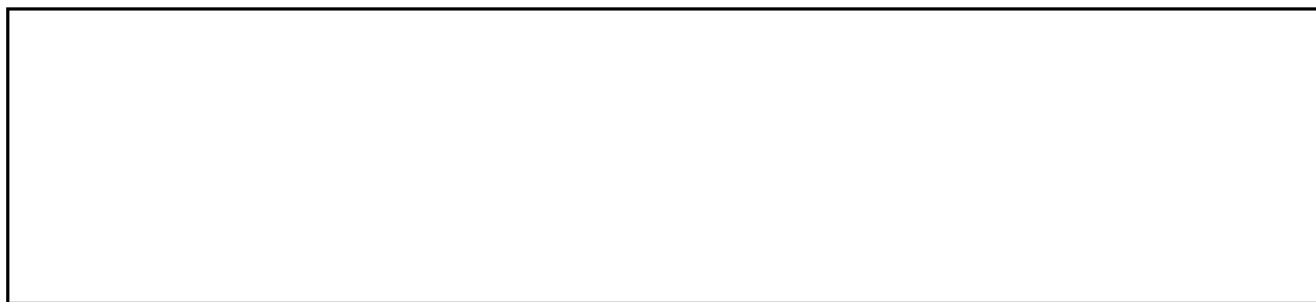
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The Komar PTG base consists of a single pier at an existing naval facility (annotated on H.O. chart 6541 as a "Naval Provision Warehouse"). The two Komar PTGs at the pier on [REDACTED] are the first ever observed at this base (see Figure 4). The base is situated on a small bay near the northeastern end of the Songjon Bando (peninsula) at 39-22-00N 127-27-15E. This is approximately 1.5 nm east of the Probable Styx Naval Missile Storage Facility and 4.5 nm northeast of the Munpyong-ni Naval Base, Wonsan. [REDACTED]

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The last good-quality large-scale coverage of this area was obtained in [REDACTED]. Since then, only one large-scale mission of fair quality has covered the area [REDACTED]. No Komar or Styx missile crate activity was observed at these areas on either mission.

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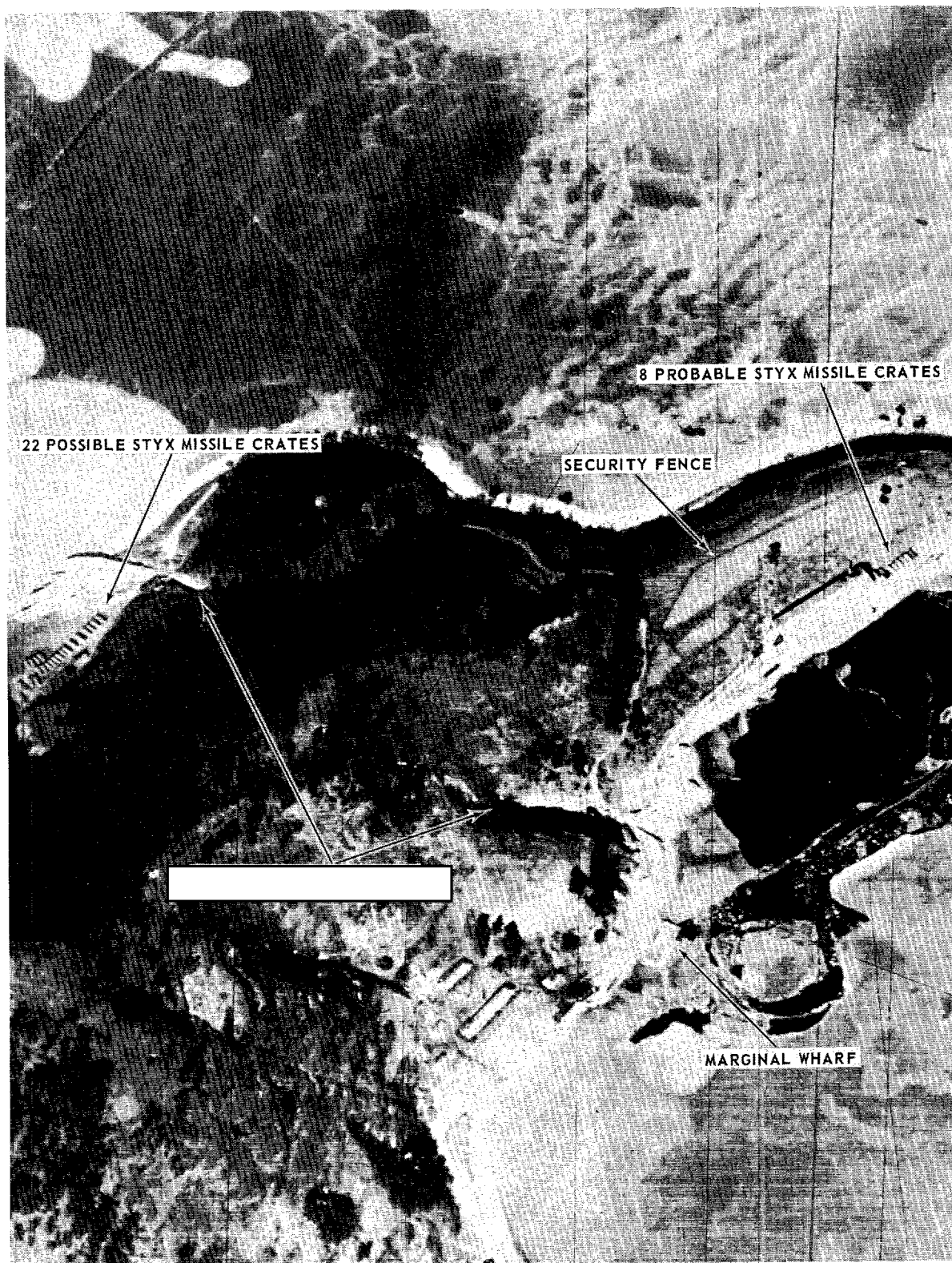
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FIGURE 3. PROBABLE STYX MISSILE STORAGE FACILITY NEAR WONSAN, NORTH KOREA,

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FIGURE 4. KOMAR PTG BASE NEAR WONSAN, NORTH KOREA,

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- [REDACTED] 25X1D
3. IAR 83044, [REDACTED] Naval Base and Shipyard 402, Severodvinsk, USSR, [REDACTED] (TOP SECRET) [REDACTED] 25X1
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- [REDACTED] 25X1D
5. IAR 83052, [REDACTED] Status of Military Forces near the Sino-Soviet, Sino-Mongolian Border, [REDACTED] (TOP SECRET) [REDACTED] 25X1
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6. IAR 83053, [REDACTED] Petrovka Shipyard, Petrovka, USSR, KH Mission (TOP SECRET) [REDACTED] 25X1
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7. IAR 83054, [REDACTED] Petrovka Shipyard, Petrovka, USSR, KH Mission (TOP SECRET) [REDACTED] 25X1
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8. IAR 83056, [REDACTED] Baltic Admiralty and Sudomekh Shipyards, Leningrad, USSR, [REDACTED] (TOP SECRET) [REDACTED] 25X1
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9. [REDACTED] 25X9
10. IAR 85028, [REDACTED] Institute of Atomic Energy imeni I. V. Kurchatov, Moscow, USSR (TOP SECRET) [REDACTED] 25X1
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- [REDACTED] 25X1
12. IAR 85032, [REDACTED] Regional Petroleum Storage of China (TOP SECRET) [REDACTED] 25X1
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13. IAR 87003, Current Military and Economic Activity, Camaguey Province, Cuba (SECRET).

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